

APR 09 2009

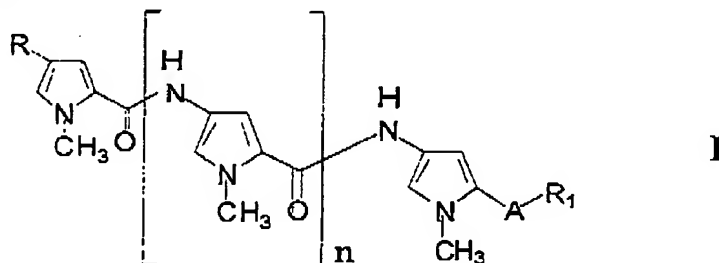
Application/Control Number: 10/538,838  
 Art Unit: 4121  
 April 9, 2009  
 Page 2

Claims Amendment

Please add new claim 13.

1-8 (Cancelled)

9. (Previously submitted) A method for prophylaxis and /or treatment of endoparasitosis in an animal, comprising administration to the animal of an effective amount of a compound having the following formula (I):



wherein:

$n$  is 0 or an integer comprised between 1 and 5;

$R$  is a group  $R_2-X-C(=Z)-NH-$ , in which  $X$  represents a simple chemical bond, an aromatic or heteroaromatic radical,  $Z$  represents an oxygen atom or the  $NH$  group; and:

if  $X$  is a simple chemical bond,  $R_2$  is an hydrogen atom, an alkyl, dialkylaminoalkyl, alkenyl, cycloalkyl, arylalkyl, arylalkenyl, haloalkyl, or an aromatic or heteroaromatic radical;

if  $X$  is an aromatic or heteroaromatic radical,  $R_2$  is nitro, amino or formylamino;

or:

$R$  is a group  $R_3-C(=Z)-$ , in which  $Z$  represents an oxygen atom or the  $NH$  group, and  $R_3$  represents a hydrogen atom, the  $-OR_4$  or  $-NR_5R_6$  group, and where:

Application/Control Number: 10/538,838  
Art Unit: 4121  
April 9, 2009  
Page 3

R4 is chosen from the group consisting of a hydrogen atom, an alkyl, cycloalkyl, arylalkyl, or an aromatic radical;

R5 and R6, either the same or different, are chosen from the group consisting of a hydrogen atom, an alkyl, cycloalkyl, arylalkyl, aromatic or heterocyclic radical, optionally substituted with a formylamino or a carbamoyl group; or

R5 and R6, joined together form an alkylene group, or the group  $-(CH_2)_2-O-(CH_2)_2-$  or the group  $-(CH_2)_2-NH-(CH_2)_2-$ ;

A represents a simple chemical bond or the group  $-CO-NH-Y-$ , wherein Y is an alkylene or aromatic radical;

R1 is chosen from the group consisting of  $CH_2N(CH_3)_2$ ,  $-COOR_4$ ,  $-B-NR_5R_6$ ,  $-C(=NH)-NH_2$ , a heterocyclic radical containing nitrogen, wherein:

R4, R5 and R6 are as defined above, B represents a simple chemical bond or the  $-C=O$  group, and:

when R1 is  $-B-NR_5R_6$ , and B is a simple chemical bond, or when R1 is a heterocyclic radical, A is not a chemical bond;

or a pharmaceutical acceptable salt thereof.

10. (Previously submitted) The method of Claim 9, wherein the compound of formula (I) is chosen between distamycin and a compound of formula (I) wherein:

n is as previously defined;

R is the  $-CONH_2$  group, A is the  $-CONHCH_2CH_2-$  group, R1 is the  $-C(=NH)-NH_2$  group or the  $-CH_2N(CH_3)_2$  group;

R is the  $-NH-CH(=NH)$  group, A is the  $-CONHCH_2CH_2-$  group, R1 is the  $-C(=NH)-NH_2$  group or the  $-CH_2N(CH_3)_2$  group or the  $-CONH_2$  group;

and the pharmaceutically acceptable salts thereof.

11. (Previously submitted) The method according to Claim 9, wherein the endoparasitosis is chosen from Trichomoniasis, Giardiasis, Isotomoniasis, Amoebiasis, Coccidiosis, and Balantidiosis.

Application/Control Number: 10/538,838  
Art Unit: 4121  
April 9, 2009  
Page 4

12. (Previously submitted) The method according to Claim 9, wherein the administration is oral administration.

13. (New) The method according to Claim 1, wherein the compound of formula (I) is a compound of formula (I) wherein n is 0 or an integer from 1 to 5; R is a -CONH<sub>2</sub> group; A is a -CONHCH<sub>2</sub>CH<sub>2</sub>- group, and R<sub>1</sub> is a -C(=NH)-NH<sub>2</sub> group, and the endoparasitosis is Coccidiosis.